

IN THE CLAIMS

1 25. [NEW] A computer-readable medium having stored thereon
2 computer-readable instructions, which, when executed by a computer,
3 cause said computer to perform the following process:
4 receive user input data that defines primitives of a conceptual model,
5 said conceptual model being comprised of an object model, a dynamic model,
6 a functional model and a presentation model which together define the
7 complete functionality of a target computer program to be automatically
8 generated and which defines complete interface mechanisms for interaction of
9 user or other processes with the functionality of said target computer program,
10 no other software code, code component, code libraries or any other third party
11 software artifact being necessary to completely define the functionality of said
12 target computer program and its interface mechanisms;
13 automatically converting said user input data into data structures in the
14 form of formal language statements organized by a formal language syntax, the
15 collection of all such formal language statements forming a formal language
16 specification;
17 validating said formal language specification to ensure it is complete,
18 correct and unambiguous to prepare said formal language specification for
19 automatic translation into complete, operative code of said target computer
20 program which is the functional equivalent of said conceptual model and

21 having a user interface defined by the primitives entered by said user which

22 define said presentation model.

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